

Abstract

~~Arrangement and Method for Recognizing a Predetermined Vocabulary in Spoken
Language with a Computer~~

- In speech recognition, phonemes of a language are modelled by a hidden
- 5 Markov model, whereby each status of the hidden Markov model is described by a probability density function. For speech recognition of a modified vocabulary, the probability density function is split into a first and into a second probability density function. As a result thereof, it is possible to compensate variations in the speaking habits of a speaker or to add a new word to the vocabulary of the speech recognition
- 10 unit and thereby assure that this new word is distinguished with adequate quality from the words already present in the speech recognition unit and is thus recognized.

~~Figure 1~~

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